



Village Creek/Lake Arlington Watershed Protection Plan

Water Body	Lake Arlington (0828) & Village Creek (0828A)
Location	Johnson & Tarrant Counties
River Basin	Trinity (8)
Contractor	Trinity River Authority
Project Period	7/22/2015 – 8/31/2018
Project Total	\$445,853 (60% Federal + 40% Local Match)

Background

Lake Arlington serves as a drinking water source to over 500,000 people in the Dallas-Fort Worth metroplex. In 2012, Village Creek, Lake Arlington's main tributary, was listed as impaired for bacteria and several portions of Lake Arlington were listed for concerns for elevated chlorophyll-a, and nitrate. Past studies conducted within the watershed show that water quality has degraded and more vigorous management measures are needed.

Project Description

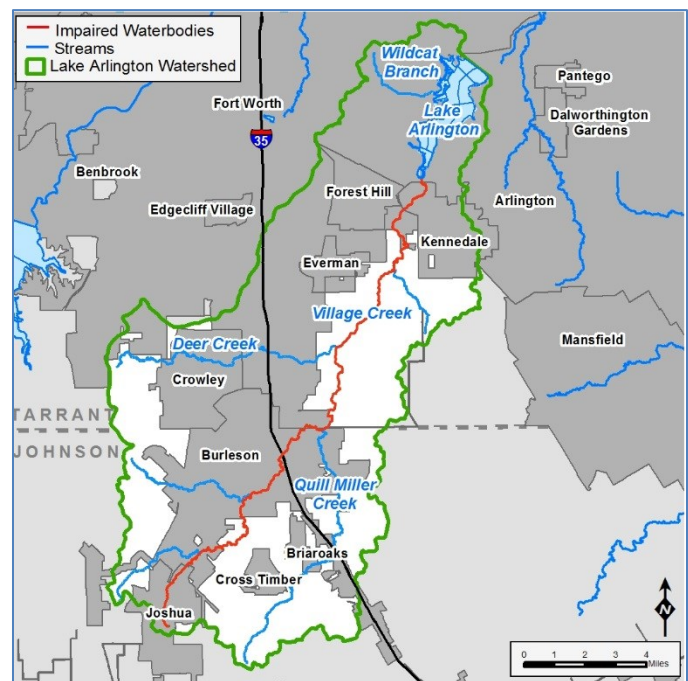
This project will develop a watershed protection plan for the 91,402 acre watershed which includes Lake Arlington, Wildcat Branch, Village Creek, Deer Creek, and Quill Miller Creek subwatersheds. A water quality monitoring plan will be developed using existing watershed data and input from the stakeholder process. Modeling will be used to identify potential sources of pollutant loads and the reductions needed to meet the state's water quality standards. This information will be used to help identify management measures to address pollutant sources.

Current Status

Modeling for the Watershed Protection Plan is in progress. The Steering Committee has approved draft chapters 1-3.

Public Participation

Stakeholder participation is key to developing and implementing a well-rounded watershed protection plan. This project will provide several public participation and education opportunities. A Steering Committee and Technical Advisory group have been established, and meet monthly.



For More Information

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Project Highlights

- 8/2015 – Post-award meeting held.
- 10/2015 – Draft Monitoring QAPP submitted. 4/2016- Final Mon QAPP approved
- 12/2015 – Stakeholder meeting held in Burleson.
- 2/2016 – Stakeholder meeting held in Everman. Steering Committee and Technical Advisory Group nominations vetted.
- 3/2016 – Contract amendment and budget revision were submitted to change sampling to accommodate SELECT and LDC needs.
- 4/2016 – Draft modeling QAPP submitted.
- 7/2016 – Final Mod QAPP approved
- 6/2016 – Historical data assessment underway. Completed in November 2016.
- 6/2016 – 6/2017– Surface water quality sampling. Collected flow, field parameters, bacteria, and conventional parameters from 11 sites. Also collected optical brightener data from all sites.
- 6/2016 – Held first Steering Committee meeting. Stakeholder meetings held quarterly in various locations throughout the watershed. Education and outreach events attended regularly.
- 7/2016 – More outreach and education programs delivered.
- 10/2016 – Steering committee meeting. Continued coordination with HGAC, TIAER, and TAMU Bio & Ag Engineering on SELECT program for ArcMap 10.2
- 11/2016 – Sampling completed.
- 8/2017 – Modeling Technical report drafted.
- 8/2017 – began development of 9 element WPP. Hosted VCLA WPP Steering Committee meeting #4. Approved the first three draft chapters of the Village Creek-Lake Arlington WPP, and began discussing input parameters for the SELECT modules.